G. Bansal

#8

RAW SEQUENCE LISTING DATE: 01/30/2002
PATENT APPLICATION: US/09/642,660 TIME: 17:22:16

Input Set : N:\Crf3\RULE60\09642660.txt
Output Set: N:\CRF3\01302002\I642660.raw

SEQUENCE LISTING

C--> 5 (1) GENERAL INFORMATION:
7 (i) APPLICANT: Schneck, Jonathan
8 O'Herrin, Sean
C--> 10 (ii) TITLE OF INVENTION: Molecular Complexes Which
11 Modify Immune Responses
13 (iii) NUMBER OF SEQUENCES: 20
15 (iv) CORRESPONDENCE ADDRESS:
16 (A) ADDRESSEE: Banner & Witcoff
17 (B) STREET: 1001 G Street, NW
18 (C) CITY: Washington
19 (D) STATE: DC
20 (E) COUNTRY: USA
21 (F) ZIP: 20001
23 (v) COMPUTER READABLE FORM:
24 (A) MEDIUM TYPE: Diskette
25 (B) COMPUTER: IBM Compatible
26 (C) OPERATING SYSTEM: DOS
27 (D) SOFTWARE: FastSEQ for Windows Version 2.0
29 (vi) CURRENT APPLICATION DATA:
C--> 30 (A) APPLICATION NUMBER: US/09/642,660
C--> 31 (B) FILING DATE: 22-Aug-2000
32 (C) CLASSIFICATION:
34 (vii) PRIOR APPLICATION DATA:
35 (A) APPLICATION NUMBER: 09/063,276
36 (B) FILING DATE: 21-APR-1998
38 (A) APPLICATION NUMBER: 08/828,712
39 (B) FILING DATE: 28-MAR-1997
41 (A) APPLICATION NUMBER: 60/014,367
42 (B) FILING DATE: 28-MAR-1996
45 (viii) ATTORNEY/AGENT INFORMATION:
46 (A) NAME: Kagan, Sarah A
47 (B) REGISTRATION NUMBER: 32141
48 (C) REFERENCE/DOCKET NUMBER: 01107.74154
50 (ix) TELECOMMUNICATION INFORMATION:
51 (A) TELEPHONE: 202-508-9100
52 (B) TELEFAX: 202-508-9299
53 (C) TELEX:
56 (2) INFORMATION FOR SEQ ID NO: 1:
58 (i) SEQUENCE CHARACTERISTICS:
59 (A) LENGTH: 65 base pairs
60 (B) TYPE: nucleic acid
61 (C) STRANDEDNESS: single

ENTERED

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Input Set : N:\Crf3\RULE60\09642660.txt
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(D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
CTGTCAGTAA CTGCAGGTGT CCACTCTGGT ACCAGCGGTG AGGTTCAGCT TCAGCAGTCT 60
GGAGC 65
(2) INFORMATION FOR SEQ ID NO: 2:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 60 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
AGCCTCTCCC ACTCTCCTGG TAAATGAGCA TGCTCTCAGT GTCCTTGGAG CCCTCTGGTC 60
(2) INFORMATION FOR SEQ ID NO: 3:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 74 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
CTGTTGCTCT GTTTTCAAGG TACCAGGTGT GGAAGCTTGG GAGGATCTGA TATCCAGATG 60
ACGCAAATCC ATCC 74
(2) INFORMATION FOR SEQ ID NO: 4:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 66 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
GTCAAGAGCT TCAACAGGAA TGAGTGTTAG GGTACCAGAC AAAGGTCCTG AGACGCCACC 60
ACCAGC 66
(2) INFORMATION FOR SEQ ID NO: 5:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 58 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
CAGATATGAA CCTAAACTTT CAAGGAGGAG GTACCTGTCA GTTATGGGAC TCCGAATC 58
(2) INFORMATION FOR SEQ ID NO: 6:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 50 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
CCAAAGAGAC CAGTATCCTG ACTCGAGGAA GCATGTCTAA CACTGCCTTC 50
(2) INFORMATION FOR SEQ ID NO: 7:
(i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 69 base pairs

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PATENT APPLICATION: US/09/642,660 TIME: 17:22:16

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Output Set: N:\CRF3\01302002\I642660.raw

```
141          (B) TYPE: nucleic acid
142          (C) STRANDEDNESS: single
143          (D) TOPOLOGY: linear
146     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
148  CTGCAACCAT CCTCTATGAG ATCGGAAGCT TAGGATCTGG TACCTACTGG GGAAGGCCAC      60
149  CCTATATGC                                                              69
151 (2) INFORMATION FOR SEQ ID NO: 8:
153      (i) SEQUENCE CHARACTERISTICS:
154          (A) LENGTH: 63 base pairs
155          (B) TYPE: nucleic acid
156          (C) STRANDEDNESS: single
157          (D) TOPOLOGY: linear
160     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
162  GGTAGCGACC GGCGCTCAGC TGGAATTCAA GCTTCCATTC TCTTTAGTTT CTGGGAGGAG      60
163  GGT                                                                    63
165 (2) INFORMATION FOR SEQ ID NO: 9:
167      (i) SEQUENCE CHARACTERISTICS:
168          (A) LENGTH: 69 base pairs
169          (B) TYPE: nucleic acid
170          (C) STRANDEDNESS: single
171          (D) TOPOLOGY: linear
174     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
176  GCACAGTCCA CATCTGCACA GAACAAGGGA GGAGGTACCG GGGATCCGGT TATTAGTACA      60
177  TTTATTAAG                                                              69
179 (2) INFORMATION FOR SEQ ID NO: 10:
181      (i) SEQUENCE CHARACTERISTICS:
182          (A) LENGTH: 6 amino acids
183          (B) TYPE: amino acid
184          (C) STRANDEDNESS: single
185          (D) TOPOLOGY: linear
188     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
190  Gly Gly Gly Thr Ser Gly
191   1               5
193 (2) INFORMATION FOR SEQ ID NO: 11:
195      (i) SEQUENCE CHARACTERISTICS:
196          (A) LENGTH: 6 amino acids
197          (B) TYPE: amino acid
198          (C) STRANDEDNESS: single
199          (D) TOPOLOGY: linear
202     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
204  Gly Ser Leu Gly Gly Ser
205   1               5
207 (2) INFORMATION FOR SEQ ID NO: 12:
209      (i) SEQUENCE CHARACTERISTICS:
210          (A) LENGTH: 8 amino acids
211          (B) TYPE: amino acid
212          (C) STRANDEDNESS: single
213          (D) TOPOLOGY: linear
W--> 215     (ii) MOLECULE TYPE: None
```

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PATENT APPLICATION: US/09/642,660 TIME: 17:22:16

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Output Set: N:\CRF3\01302002\I642660.raw

```
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
 Leu Ser Pro Phe Pro Phe Asp Leu
  1               5
(2) INFORMATION FOR SEQ ID NO: 13:
     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 9 amino acids
          (B) TYPE: amino acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear
W--> (ii) MOLECULE TYPE: None
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:
 Gln Leu Ser Pro Phe Pro Phe Asp Leu
  1               5
(2) INFORMATION FOR SEQ ID NO: 14:
     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 9 amino acids
          (B) TYPE: amino acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear
W--> (ii) MOLECULE TYPE: None
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 14:
 Leu Ser Pro Phe Pro Phe Asp Leu Leu
  1               5
(2) INFORMATION FOR SEQ ID NO: 15:
     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 9 amino acids
          (B) TYPE: amino acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear
W--> (ii) MOLECULE TYPE: None
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 15:
 Thr Gln Asn His Arg Ala Leu Asp Leu
  1               5
(2) INFORMATION FOR SEQ ID NO: 16:
     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 9 amino acids
          (B) TYPE: amino acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear
W--> (ii) MOLECULE TYPE: None
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 16:
 Tyr Pro His Phe Met Pro Thr Asn Leu
  1               5
(2) INFORMATION FOR SEQ ID NO: 17:
     (i) SEQUENCE CHARACTERISTICS:
          (A) LENGTH: 9 amino acids
          (B) TYPE: amino acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear
```

RAW SEQUENCE LISTING DATE: 01/30/2002
PATENT APPLICATION: US/09/642,660 TIME: 17:22:16

Input Set : N:\Crf3\RULE60\09642660.txt
Output Set: N:\CRF3\01302002\I642660.raw

W--> 290 (ii) MOLECULE TYPE: None
292 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 17:
294 Ser Pro Ser Tyr Val Tyr His Gln Phe
295 1 5
297 (2) INFORMATION FOR SEQ ID NO: 18:
299 (i) SEQUENCE CHARACTERISTICS:
300 (A) LENGTH: 8 amino acids
301 (B) TYPE: amino acid
302 (C) STRANDEDNESS: single
303 (D) TOPOLOGY: linear
W--> 305 (ii) MOLECULE TYPE: None
307 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 18:
309 Glu Gln Tyr Lys Phe Tyr Ser Val
310 1 5
312 (2) INFORMATION FOR SEQ ID NO: 19:
314 (i) SEQUENCE CHARACTERISTICS:
315 (A) LENGTH: 8 amino acids
316 (B) TYPE: amino acid
317 (C) STRANDEDNESS: single
318 (D) TOPOLOGY: linear
W--> 320 (ii) MOLECULE TYPE: None
322 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 19:
324 Ser Ile Tyr Arg Tyr Tyr Gly Leu
325 1 5
327 (2) INFORMATION FOR SEQ ID NO: 20:
329 (i) SEQUENCE CHARACTERISTICS:
330 (A) LENGTH: 8 amino acids
331 (B) TYPE: amino acid
332 (C) STRANDEDNESS: single
333 (D) TOPOLOGY: linear
W--> 335 (ii) MOLECULE TYPE: None
337 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 20:
339 Arg Gly Tyr Val Tyr Gln Gly Leu
340 1 5

VERIFICATION SUMMARY DATE: 01/30/2002
PATENT APPLICATION: US/09/642,660 TIME: 17:22:17

Input Set : N:\Crf3\RULE60\09642660.txt
Output Set: N:\CRF3\01302002\I642660.raw

L:5 M:220 C: Keyword misspelled or invalid format, [(1) GENERAL INFORMATION:]
L:10 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]
L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:215 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=12
L:230 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=13
L:245 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=14
L:260 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=15
L:275 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=16
L:290 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=17
L:305 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=18
L:320 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=19
L:335 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=20